

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Previously Presented) A radio video transmission device for encoding a video signal and radio-transmitting the encoded video signal, the radio video transmission device being configured such that encoding is performed in units of a video signal corresponding to a predetermined number of vertical periods, time intervals at which data of a header of the encoded video signal corresponding to the predetermined number of vertical periods is transmitted conform to the predetermined number of vertical periods, and during transmission of the header data of the video signal corresponding to the predetermined number of vertical periods, information indicative of the header data is multiplexed and transmitted.

2. (Previously Presented) A signal generation device for generating an encoded transmission signal which is used for transmitting a video signal through radio communication, wherein a transmission signal including information obtained by encoding a video signal in units of a video signal corresponding to a predetermined number of vertical periods is generated, and a flag indicative of a header portion of the transmission signal is added to the header portion of the transmission signal such that time intervals at which data of a header of the encoded video signal corresponding to the predetermined number of vertical periods is transmitted conform to the predetermined number of vertical periods.

3. (Previously Presented) A radio video reception device for radio-receiving the transmission signal generated by the signal generation device according to claim 2, comprising:
a flag extraction section which extracts the flag indicative of a header portion of a received transmission signal added to the header portion of the transmission signal and outputs a reference signal at timing of extraction of the flag;

a phase comparison section which outputs a phase comparison output signal in accordance with a phase difference of periods between a decoding synchronization signal and the reference signal output from the flag extraction section;

a voltage controlled oscillator which outputs an oscillation signal having an oscillation frequency in accordance with the phase comparison output signal output from the phase comparison section; and

a timing generation section which outputs, as the decoding synchronization signal, a signal corresponding to the frequency of the oscillation signal output from the voltage controlled oscillator,

wherein an encoded video signal included in the transmission signal is decoded in synchronization with the decoding synchronization signal.

4. (Previously Presented) A signal decoding device for radio-receiving the transmission signal generated by the signal generation device according to claim 2 and decoding the transmission signal, comprising:

a flag extraction section which extracts the flag indicative of a header portion of the transmission signal added to the header portion of the transmission signal which is radio-received,

wherein an encoded video signal included in the transmission signal is decoded at timing in accordance with a reference signal output from the flag extraction section.

5. (Original) A signal decoding device according to claim 4, comprising:

a phase comparison section which outputs a phase comparison output signal in accordance with a phase difference of periods between a decoding synchronization signal and the reference signal output from the flag extraction section;

a voltage controlled oscillator which outputs an oscillation signal having an oscillation frequency in accordance with the phase comparison output signal output from the phase comparison section; and

a timing generation section which outputs, as the decoding synchronization signal, a signal corresponding to the frequency of the oscillation signal output from the voltage controlled oscillator,
wherein the encoded video signal included in the transmission signal is decoded in synchronization with the decoding synchronization signal.

6. (Previously Presented) A radio video transmission/reception system comprising a radio video transmission device according to claim 1; and

a radio video reception device for radio-receiving a video signal which is encoded, comprising:
a flag extraction section which extracts a flag indicative of a header portion of a received transmission signal added to the header portion of the transmission signal and outputs a reference signal at timing of extraction of the flag;
a phase comparison section which outputs a phase comparison output signal in accordance with a phase difference of periods between a decoding synchronization signal and the reference signal output from the flag extraction section;
a voltage controlled oscillator which outputs an oscillation signal having an oscillation frequency in accordance with the phase comparison output signal output from the phase comparison section; and
a timing generation section which outputs, as the decoding synchronization signal, a signal corresponding to the frequency of the oscillation signal output from the voltage controlled oscillator, wherein an encoded video signal included in the transmission signal is decoded in synchronization with the decoding synchronization signal.

7. (Previously Presented) A signal generation/decoding device comprising a signal generation device according to claim 2; and

a signal decoding device for decoding a transmission signal received through radio communication, comprising: a flag extraction section which extracts a flag

indicative of a header portion of the transmission signal added to the header portion of the transmission signal which is radio-received, wherein an encoded video signal included in the transmission signal is decoded at timing in accordance with a reference signal output from the flag extraction section.

8. (New) A video transmission device for encoding a video signal and transmitting the encoded video signal, the video transmission device being configured such that encoding is performed in units of a video signal corresponding to a predetermined number of vertical periods, time intervals at which data of a header of the encoded video signal corresponding to the predetermined number of vertical periods is transmitted conform to the predetermined number of vertical periods, and during transmission of the header data of the video signal corresponding to the predetermined number of vertical periods, information indicative of the header data is multiplexed and transmitted.
9. (New) A video reception device for receiving an encoded video signal, comprising:
 - a flag extraction section which extracts a flag indicative of a header portion of a received transmission signal added to the header portion of the transmission signal and outputs a reference signal at timing of extraction of the flag;
 - a phase comparison section which outputs a phase comparison output signal in accordance with a phase difference of periods between a decoding synchronization signal and the reference signal output from the flag extraction section;
 - a voltage controlled oscillator which outputs an oscillation signal having an oscillation frequency in accordance with the phase comparison output signal output from the phase comparison section; and
 - a timing generation section which outputs, as the decoding synchronization signal, a signal corresponding to the frequency of the oscillation signal output from the voltage controlled oscillator,wherein an encoded video signal included in the transmission signal is decoded in synchronization with the decoding synchronization signal.
10. (New) A video reception/transmission system comprising a video transmission device and a video reception device, wherein

the video transmission device is configured such that encoding is performed in units of a video signal corresponding to a predetermined number of vertical periods, time intervals at which data of a header of the encoded video signal corresponding to the predetermined number of vertical periods is transmitted conform to the predetermined number of vertical periods, and during transmission of the header data of the video signal corresponding to the predetermined number of vertical periods, information indicative of the header data is multiplexed and transmitted; a flag extraction section which extracts a flag indicative of a header portion of a received transmission signal added to the header portion of the transmission signal and outputs a reference signal at timing of extraction of the flag;

a phase comparison section which outputs a phase comparison output signal in accordance with a phase difference of periods between a decoding synchronization signal and the reference signal output from the flag extraction section;

a voltage controlled oscillator which outputs an oscillation signal having an oscillation frequency in accordance with the phase comparison output signal output from the phase comparison section;

a timing generation section which outputs, as the decoding synchronization signal, a signal corresponding to the frequency of the oscillation signal output from the voltage controlled oscillator; and

a video reception device which decodes the encoded video signal included in the transmission signal in synchronization with the decoding synchronization signal.